AMENDMENT UNDER 37 C.F.R. § 1.114(c)

U.S. Application No.: 09/940,474

Attorney Docket No.: Q65911

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (Currently amended) A separator for non-aqueous electrolyte secondary battery,

wherein the separator comprises a shut-down layer, a heat-resistant microporous layer, and a

spacer having a form of particles, fibers, net or porous film on the surface of the heat-resistant

microporous layer,

wherein the heat-resistant microporous layer comprises at least one heat-resistant resin

selected from resins having a temperature of deflection under load of 18.6 kg/cm<sup>2</sup> of 100°C or

more, and

wherein the thickness of the spacer is from 0.02 to 3µm the spacer comprises a fluorine-

containing polymer.

2. (Original) The separator for non-aqueous electrolyte secondary battery according to

claim 1, wherein the heat-resistant microporous layer consists of heat-resistant resin.

Claims 3-4 (Canceled)

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5. (Original) The separator for non-aqueous electrolyte secondary battery according to

claim 1, wherein the spacer has a form of particles and a particle diameter of 3 µm or less.

6. (Original) The separator for non-aqueous electrolyte secondary battery according to

claim 1, wherein the static friction coefficient between the spacer-disposed separator surface and

a stainless steel surface ground by a 1000 grit polishing paper is 0.5 or less.

7. (Currently amended) The separator for non-aqueous electrolyte secondary battery

according to claim 1, wherein the spacer is formed by coating an application liquid containing an

electrochemically stable substance a fluorine-containing polymer on the surface of the heat-

resistant microporous layer.

8. (Previously presented) The separator for non-aqueous electrolyte secondary battery

according to claim 7, wherein the application liquid is a suspension.

Claim 9 (Canceled)

10. (Currently amended) A non-aqueous electrolyte secondary battery including the

separator for non-aqueous electrolyte battery according to any one of claims 1 to 8 claims 1-2, 5-

8.

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11. (Original) The non-aqueous electrolyte secondary according to claim 10, wherein

the spacer is adjacent to a cathode.

12. (Currently amended) A separator for non-aqueous electrolyte secondary battery, the

separator comprising a shut down layer, a heat-resistant microporous layer, and a spacer having a

form of particles, fibers, net or porous film, on the surface of the heat-resistant microporous

layer, wherein the heat-resistant microporous layer comprises at least one heat-resistant resin

selected from resins having a temperature of deflection under load of 18.6 kg/cm<sup>2</sup> of 100°C or

more, and the shut-down layer, the heat-resistant microporous layer and the spacer being in this

order, wherein the spacer comprises a fluorine containing polymer.

13. (New) The separator for non-aqueous electrolyte secondary battery according to

claim 1, wherein the thickness of the spacer is from 0.02 to  $3 \mu m$ .

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